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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **59280580**(51) Intl. Cl.: **C07D491/056**(22) Application date: **26.12.84**

(30) Priority:  (43) Date of application publication: <b>11.07.86</b>  (84) Designated contracting states:	(71) Applicant: <b>mitsubishi chem ind ltd</b> (72) Inventor: <b>TAKEDA YOSHIYUKI KAWASHIMA OSAMU FURUKAWA SHIRO OGINO YASUKAZU</b> (74) Representative:
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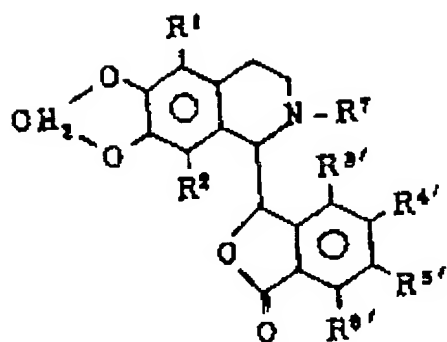
**(54) PRODUCTION OF  
AMINATED PHTHALIDE-  
ISOQUINOLINE**

(57) Abstract:

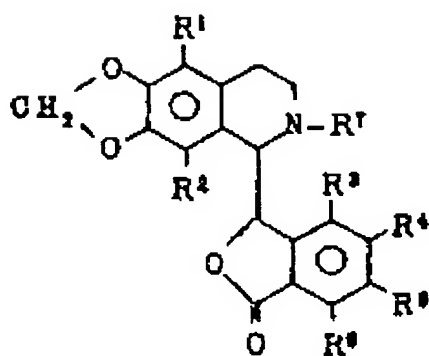
**PURPOSE:** The reduction of a nitro compound is effected using a metal borohydride as a reducing agent and a specific metal or its compound as a catalyst to give the titled compound which is used as a medicine without filtration process.

**CONSTITUTION:** In the reduction of a nitro compound of formula I (R1, R2 are H, lower alkoxy; at least one of R3', R4', R5', R6' is nitro and the others are H, lower alkoxy; R7 is lower alkyl), a metal borohydride such as sodium borohydride, lithium borohydride, sodium borohydridecyanide is used as a reducing agent and, simultaneously a metal in group IB or VIII or its compound, preferably metallic copper or palladium or their compound is used as a catalyst to give the objective compound of formula II (at least one of R3WR6 is amino and the others are H, lower alkoxy).

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